



# TRANSMITTAL FORM

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Application Number		10/705,391
Filing Date		November 10, 2003
First Named Inventor		HUGHES, JOY VANNELIA
Art Unit		Unassigned
Examiner Name		Unassigned
Total Number of Pages in This Submission	Attorney Docket Number	
	018563-005910US	

**ENCLOSURES (Check all that apply)**

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Firm or Individual	Townsend and Townsend and Crew LLP	
	James M. Heslin	Reg. No. 29,541
Signature		
Date	January 29, 2004	

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On January 20, 2004

TOWNSEND and TOWNSEND and CREW LLP

By: Edward Masinas  
Edward Masinas



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

JOY VANNELIA HUGHES et al.

Application No.: 10/705,391

Filed: November 10, 2003

For: SYSTEM AND METHOD FOR  
SEPARATING THREE-DIMENSIONAL  
MODELS

Examiner: Unassigned

Art Unit: Unassigned

INFORMATION DISCLOSURE  
STATEMENT UNDER 37 CFR §1.97 and  
§1.98

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. Copies of the "Non Patent Literature" references are enclosed. It is requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

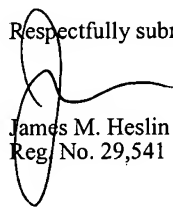
As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no

representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement.

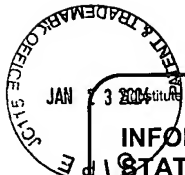
However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,



James M. Heslin  
Reg. No. 29,541

TOWNSEND and TOWNSEND and CREW LLP  
Two Embarcadero Center, 8<sup>th</sup> Floor  
San Francisco, California 94111-3834  
Tel: 650-326-2400  
Fax: 650-326-2422  
JMH:bjl  
60095430 v1



Title for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Page 1 of 3

**Complete if Known**

Application Number	10/705,391
Filing Date	11/10/03
First Named Inventor	HUGHES, JOY VANNELIA, et. al.
Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	018563-005910US

**U.S. PATENT DOCUMENTS**

Examiner	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code <sup>2</sup> (if known)			
	AA	US-3,660,900	05-1972	Andrews	
	AB	US-3,660,803	01-1975	Levine	
	AC	US-4,755,139	07-1988	Abbate et al.	
	AD	US-4,798,534	01-1989	Breads	
	AE	US-4,837,732	06-1989	Brandestini et al.	
	AF	US-4,856,991	08-1989	Breads et al.	
	AG	US-4,936,862	06-1990	Walker et al.	
	AH	US-5,035,613	07-1991	Breads et al.	
	AI	US-5,055,039	10-1991	Abbate et al.	
	AJ	US-5,059,118	10-1991	Breads et al.	
	AK	US-5,139,419	08-1992	Andreiko et al.	
	AL	US-5,186,623	02-1993	Breads et al.	
	AM	US-5,273,429	12-1993	Rekow et al.	
	AN	US-5,338,198	08-1994	Wu et al.	
	AO	US-5,340,309	08-1994	Robertson	
	AP	US-5,342,202	08-1994	Deshayes	
	AQ	US-5,368,478	11-1994	Andreiko et al.	
	AR	US-5,382,164	01-1995	Stern	
	AS	US-5,395,238	03-1995	Andreiko et al.	
	AT	US-5,431,562	07-1995	Andreiko et al.	
	AU	US-5,447,725	09-1995	Damani et al.	
	AV	US-5,452,219	09-1995	Dehoff et al.	
	AW	US-5,454,717	10-1995	Andreiko et al.	
	AX	US-5,474,448	12-1995	Andreiko et al.	
	AY	US-5,533,895	07-1996	Andreiko et al.	
	AZ	US-5,549,476	08-1996	Stern	
	BA	US-5,587,912	12-1996	Andersson et al.	
	BB	US-5,605,459	02-1997	Kuroda et al.	
	BC	US-5,607,305	03-1997	Andersson et al.	
	BD	US-5,645,421	07-1997	Slootsky	
	BE	US-5,851,115	12-1998	Carlsson et al.	
	BF	US-5,975,893	11-1999	Chishit et al.	
	BG	US-6,371,761	04-2002	Cheang et al.	

Examiner  
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<sup>1</sup> EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP, 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>2</sup> Applicant's unique citation designation number (optional). <sup>3</sup> Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			<b>Complete if Known</b>		
Page	2	of	3	Application Number	10/705,391
				Filing Date	11/10/03
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				Examiner Name	Unassigned
				Attorney Docket Number	018563-005910US

U.S. PATENT DOCUMENTS					
Examiner	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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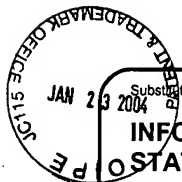
NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	BH	AFTOSMIS, "Intersection of Generally Positioned Polygons in R <sup>2</sup> " Downloaded from web on 08/17/2000 <<http://george.arc.nasa.gov/~aftosmis/cart3d/bool_intersection.html>> pp. 1-4.	
	BI	AFTOSMIS, "Tie-breaking, Degeneracies and Floating Point Arithmetic" Downloaded from web on 04/28/1999 <<http://george.arc.nasa.gov/~aftosmis/cart3d/degeneracy/degeneracy.html>> pp. 1-2.	
	BJ	BOHM et al., "A survey of curve and surface methods in CAGD" Computer Aided Geometric Design (1984) 1:1-60.	
	BK	CHIAPPONE, "Constructing the Gnathologic Setup and Positioner" JCO, (02/1980) Vol. XIV No. 2, pp. 121-133.	
	BL	COTTINGHAM, "Gnathologic Clear Plastic Positioner" Am. J. Orthodontics, (01/1969) Vol. 55 No. 1, pp. 23-31.	
	BM	CURETON, "Correcting Malaligned Mandibular Incisors with Removable Retainers" J. Clin. Orthodon. (1996) 30:390-395.	
	BN	EDELSBRUNNER et al., "Simulation of Simplicity: A Technique to Cope with Degenerate Cases in Geometric Algorithms" ACM Transactions on Graphics (1990) 9(1):66-104.	
	BO	KESLING, "The Philosophy of the Tooth Positioning Appliance" Am J. Orthod. Oral Surg. (08/1945) Vol. 31, No. 6 pp. 297-304.	

Examiner Signature		Date Considered	
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PTO/SB/08B (04-03)

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Substitute for form 1449/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	10/705,391
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Page	3	of	3

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	BP	KESLING, "Coordinating the Predetermined Pattern and Tooth Positioner with Conventional Treatment" Am. J. Orthod. Oral Surg., (1946) 32:285-293.	
	BQ	KLEEMAN et al., "The Speed Positioner" JCO (12/1996) Vol. XXX, No. 12, pp. 673-680.	
	BR	KURODA et al., "Three-Dimensional Dental Cast Analyzing System Using Laser Scanning" Am. J. Orthod. Dento. Orthop. (10/1996) Vol. 110, No. 4, pp. 365-369.	
	BS	"Adapting Vacuum Thermoforming Machines for Essix™" <a href="http://www.essix.com/magazine/default.html">http://www.essix.com/magazine/default.html</a> , 08/13/1997.	
	BT	SHILLIDAY, "Minimizing Finishing Problems with the Mini-Positioner" Am. J. Orthodontics, (1971) 59:596-599.	
	BU	Tru-Tain Orthodontic & Dental Supplies, AAO Case Partner	
	BV	WARUNEK, et al., "Clinical Use of Silicone Elastomer Appliances" JCO (10/1989) Vol. XXIII, No. 10, pp. 694-700.	
	BW	WELLS, "Application of the Positioner Appliance in Orthodontic Treatment" Am. J. Orthodont (10/1970) Vol. 58, No. 4, pp. 351-366.	

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